Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR No.32/19-20
DATED 31-8-19

No.1st & Final Bill

Date.....2019

EE/ELE/Y/BR.No.32/19-20
Dt.31-8-19

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-002-19-000001**

Schedule Docket No. Head of Account : P – **3290** 14Th Finance D.R.No.

Name of Work :- Providing LED Street Lights in Ward No-02 of yelahanka sub division

.Name of Contractor and Full Address:- Sri.S.SOMASHEKAR #15/44/01,Allalsandra Yelahanka ,

Reference to Agreement No:EE(YNK.D)E-PMT-07/WO/000132/ 2018-19 Date:- 07/03/2019

Certified that the measurements were taken by me on 28/8/2019 and recorded of Pages 25035 to 355 of measurement Book No. 2564/2018-19 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 26/8/19 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer
Assistant Executive Engineer (Ele)
BBMP Bangalore

II Memorandum of Payment

1) Total value of work done or supplies made as per account within — Bill 2812799=00
2) Deduct amount to be held in reserve being .....percent Rs..... — IT 1% 28128=00
3) " " Balance — LWC 1% 28128=00
4) Deduct Payment: — Cost 1% 2511H=00
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount — Cost 1% 2511H=00
   adjusted towards cash advance recovery of — CBFO 1% 2813=00
   b) Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash. — ~~Fine 5000=00~~
5) Balance being unpaid value of work done held in reserve. — Fine 5.000=00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. — ~~deductions=1,30,047=00~~
7) Net amount due to or from Contractor unadjustments items. — ~~Cheque=26,82,752=00~~
8) Advance to Contractor for materials brought to site (as detailed) within — deductions: 11H297=00
9) Value of Government materials supplied. — Cheque 2698502=00

Total amount adjusted

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....Initials of Officer making payme

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P3290 14th Finance
ರೂ: 2812799=00
ರೂ: ~~2582752=00~~ 2698502/-
ರೂ: ~~130047=00~~ 114297=00

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
ಕಾ.ನಿ.ಅ.(ವ) ಯಲಹಂಕ ವಲಯ

Sl. No	Name Of Work:- Providing LED Street Lights in Ward No-02 of yelahanka sub division.	Unit
1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	each
2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	Each
3	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 19904sq mm	Per Mtr
4	Fixing halogen/ metal hallide /SVL/IL/LED flood light fittings over existing pole/ wall ceiling including clamps bolts nuts and wiring using sitable capacity wires	Nos
5	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos
6	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos
7	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs
8	Supplying of 1.1kv grade Aerial Bunched cable stranded & compacted Aluminium Phase conductor and Stranded Messenger conductor with all aluminium alloy, Phase conductor is insulated with XLPE compound insulated Messenger with specified IS - 14255:1995 & confirming to GTP of group A. 2 X 16 + 1 X 25 SQ.MM	
9	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	
10	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)32mm dia 2.5mm thick	Per Mtr
11	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Per Mtr
12	1.1 KV Pin Insulator	Each
13	No. 8 Strain Insulator	Each
14	2 Pin 45x45x5mm -510mm	Each
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		117	21078.72	2466210.24	117	2466210.24	
		117	1005.52	117645.84	117	117645.84	
		396	8.45	3346.20	396	3346.20	
		47	198.18	9314.46	47	9314.46	
		15	2452.43	36786.45	15	36786.45	
		15	4553.54	68303.10	15	68303.10	
		10	296.14	2961.40	10	2961.40	
		148	103.59	15331.32	148	15331.32	
		148	11.60	1716.80	148	1716.80	
		60	112.60	6756.00	60	6756.00	
		1972	33.78	66614.16	1972	66614.16	
		44	49.54	2179.76	44	2179.76	
		30	15.76	472.80	30	472.80	
		44	344.56	15160.64	44	15160.64	
				2812799.17		**2812799.17**	